Center Innovation Fund: LaRC CIF

Uber Self-Flying Helipad-Capable Quiet V-ESTOL Personal Transporter

Completed Technology Project (2015 - 2016)

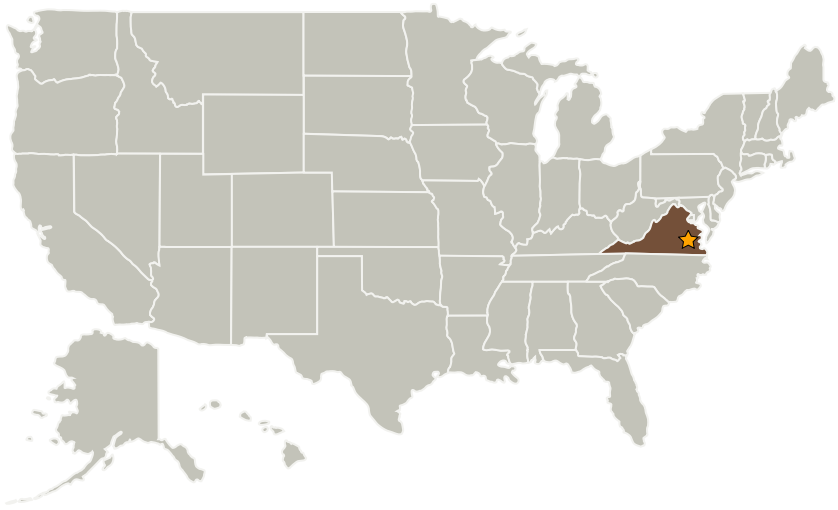
Project Introduction

LaRC has been the pioneer of DEP technologies, this team will combine with the Autonomy Incubator to develop a new ultra-quiet VTOL concept which can be prototyped at sub-scale in FY16 for rapid autonomy/flight control experiments to prepare LaRC to attract cost sharing industry partners in the subsequent year.

Anticipated Benefits

Ultra-Quiet Autonomous VTOL On-Demand Mobility

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★Langley Research Center(LaRC)	Lead Organization	NASA Center	Hampton, Virginia
National Institute of Aerospace	Supporting Organization	Academia	Hampton, Virginia

Primary U.S. Work Locations
Virginia

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Project Website:

https://www.nasa.gov/directorates/spacetech/home/index.html

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Langley Research Center (LaRC)

Responsible Program:

Center Innovation Fund: LaRC CIF

Project Management

Program Director:

Michael R Lapointe

Program Manager:

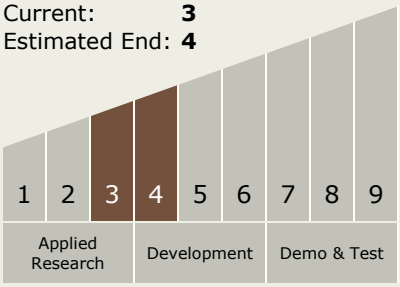
Julie A Williams-byrd

Principal Investigator:

Mark D Moore

Technology Maturity (TRL)

Start: **3**
Current: **3**
Estimated End: **4**



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Technology Areas

Primary:

- TX11 Software, Modeling, Simulation, and Information Processing
  - TX11.4 Information Processing
    - TX11.4.3 Semantic Technologies